## PATENT ABSTRACTS OF JAPAN

(11)Publication number:

62-181123

(43) Date of publication of application: 08.08.1987

(51)Int.CI.

B29C 55/00

// B29K 23:00

(21) Application number : **61-024876** 

(71)Applicant: N

NIPPON TELEGR & TELEPH CORP

<NTT>

(22)Date of filing:

06.02.1986

(72)Inventor:

NAKAGAWA KOICHI AMANO MICHIYUKI

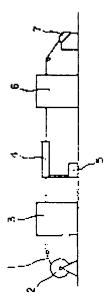
## (54) PREPARATION OF POLYETHYLENE DRAWN BODY

(57) Abstract:

PURPOSE: To obtain a polyethylene drawn body having high elastic modulus by using polyoxymethylene as a heat-inducing body for

micro-wave heating of polyethylene.

CONSTITUTION: A sample to be drawn 1 prepared by adding polyoxymethylene to high density polyethylene is passed through a micro-wave heating oven 4 and set on feed rolls 3 and draw-off rolls 6. Then, drawing starts with a specified feeding speed. While slowly increasing the output of an oscillator and the draw-off speed, the drawing is carried out at a specified draw ratio. As polyoxymethylene is used as a heat-inducing body for micro-wave heating, polyoxymethylene itself is oriented and crystallized and comes to have higher strength during micro-wave heating and drawing and it becomes thereby possible to heat and draw polyethylene by means of micro-wave heating. As the result, it is possible to obtain a polyethylene drawn body of large diameter having high elastic modulus.



## **LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office